



LIVE YOUNGER . LIVE BETTER

—♡—  
Era of Regenerative Medicine  
细胞治疗细胞的时代





# Regenerative Therapy 细胞疗法

## Safe 安全 • Effective 有效

### CGTP

#### Current Good Tissue Practice (CGTP) Rules and Regulation (细胞和基因治疗产品的规章制度)

Right to use in complies with CGTP rules & regulation and tested via scientific proven method.

在CGTP国际规格下，所有生物细胞及其相关产品都需的方法进行检测。

### cGMP

#### cGMP Certified Facility (cGMP 认证的实验室)

Right to manufactured in a world-class state-of-the-art cGMP facility/ laboratory for safety purpose. Fully Licensed by NPRA, MOH Malaysia.

在经过国家药监局 (NPRA), 大马卫生局认证, cGMP国际规格环境下生产以确保其安全性



#### Legal Supply by Government (政府合法供应)

Our umbilical cords come from young and healthy mother, it is collected by government hospitals after birth and are legal, healthy, clean and safe.

我们的脐带收集来自政府医院的年轻健康妈妈生产后所提供，是确保合法，健康，干净和安全。



#### Live Mesenchymal Stem Cell (优质活的干细胞)

Our research and development always deliver our best services and expertise in bioprocessing technology for regenerative medicine and immunotherapy.

我们始终在再生医学和免疫疗法的生物领域提供最好的服务和专业科技去培养优质的活细胞。



#### Professional Medical Team (专业医疗团队)

Right to Administrate by professional medical personnel! All cells and related products need to be advise, consult and apply by professional medical personnel.

所有生物疗法及其相关产品都需经由专业医药人员来进行建议、咨询和应用。



# Understanding the Differences of 2 types Stem Cell (如何分辨两种干细胞)

## WHARTON'S JELLY

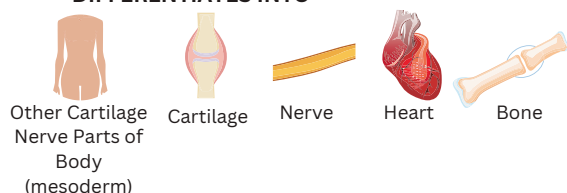
### (MSCs)

#### MESENCHYMAL STEM CELLS

##### 间充质干细胞

These stem cells are derived from umbilical cord's Wharton's jelly. Wharton's jelly is the insulating material surrounding the vessels of the umbilical cord. It contains millions of stem cells that can be differentiated into human's nervous system, sensory organs, circulatory tissues, skin, bone, cartilage, and more.

##### DIFFERENTIATES INTO



Both Mesenchymal Stem Cells (MSCs) and Hematopoietic Stem Cells (HSCs) can be found in the infant umbilical cord. These stem cells are thought to have important roles in repairing and regenerating damaged tissues.

## WHARTON'S JELLY From Umbilical Cord

### Cord Blood

### (HSCs)

#### HEMATOPOIETIC STEM CELLS

##### 造血干细胞

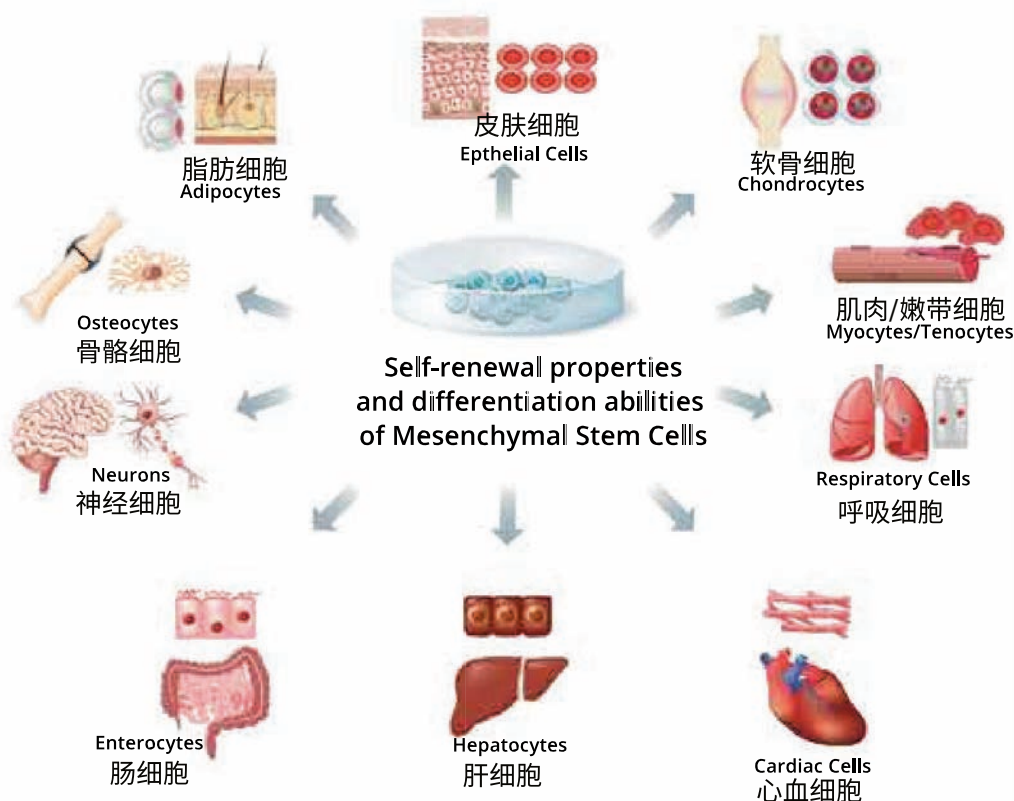
HSCs have the ability to differentiate into any of the blood cells and cellular blood components in the body to treat blood-and bone-related conditions

##### DIFFERENTIATES INTO BLOOD COMPONENTS SUCH AS



## Stem Cell

### The Building Blocks of Life



## STEM CELL IS OUR BODY'S MOTHER CELL

干细胞是我们身体的母细胞

*It has the capability to differentiate into specialized cells with specific functions for many parts of the body.*

它能够分化成对身体许多部位具有特定功能的特殊细胞。

# Benefits of Mesenchymal Stem Cell (MSCs)



Rejuvenate, Regenerate & Replace



## Cell Rejuvenate

### 细胞恢复活力

Vital organs such as lung, cardiac system and nerves able to heal and enhance itself.

身体重要器官如肺、心脏及神经可自我恢复活力和治愈。



## Cell Regenerate

### 细胞再生

Induce and invigorate regenerated cells to restore damaged tissues or organs, its functions and processes.

在受损组织器官微环境的诱导下，间充质干细胞进行分裂增殖、定向分化并整合到受损的组织器官中，进行修复或再生。



## Cell Replacement

### 细胞替代

Replace malfunction and damaged cells, tissues and organs.

间充质干细胞可通过分泌营养因子来修复和替代受损的组织器官。

## POTENTIAL REPAIR & RENEW

Repair And Renew Damaged Cells And Tissues Caused By Diseases



**SKIN AGING  
AND TEXTURE**



**EASILY FATIGUE /  
LOSS OF STAMINA**



**SEXUAL  
HEALTH**



**GENERAL ACES  
AND PAINS**



**DIABETIC  
COMPLICATIONS**



**CARDIOVASCULAR  
DISEASES**



**STROKE, PARKINSON'S  
ALZHEIMER'S DISEASE**



**OVARIAN  
AGING**



**LUNG  
DISEASES**



**CHRONIC  
INFLAMMATION**



**RENAL /  
KIDNEY INJURY**



**OSTEOARTHRITIS**



**SPINAL CORD  
INJURY**



**AUTISM**



**AUTOIMMUNE  
DISEASES:  
RA, LUPUS**

Reference: Mitsiadis, Thimios A., Ornella Barrandon, Ariane Rochat, Yann Barrandon, and Cosimo De Bari. "Stem cell niches in mammals." *Experimental cell research* 313, no. 16 (2007): 3377-3385.



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